

FIG. 1: Routing between Networks

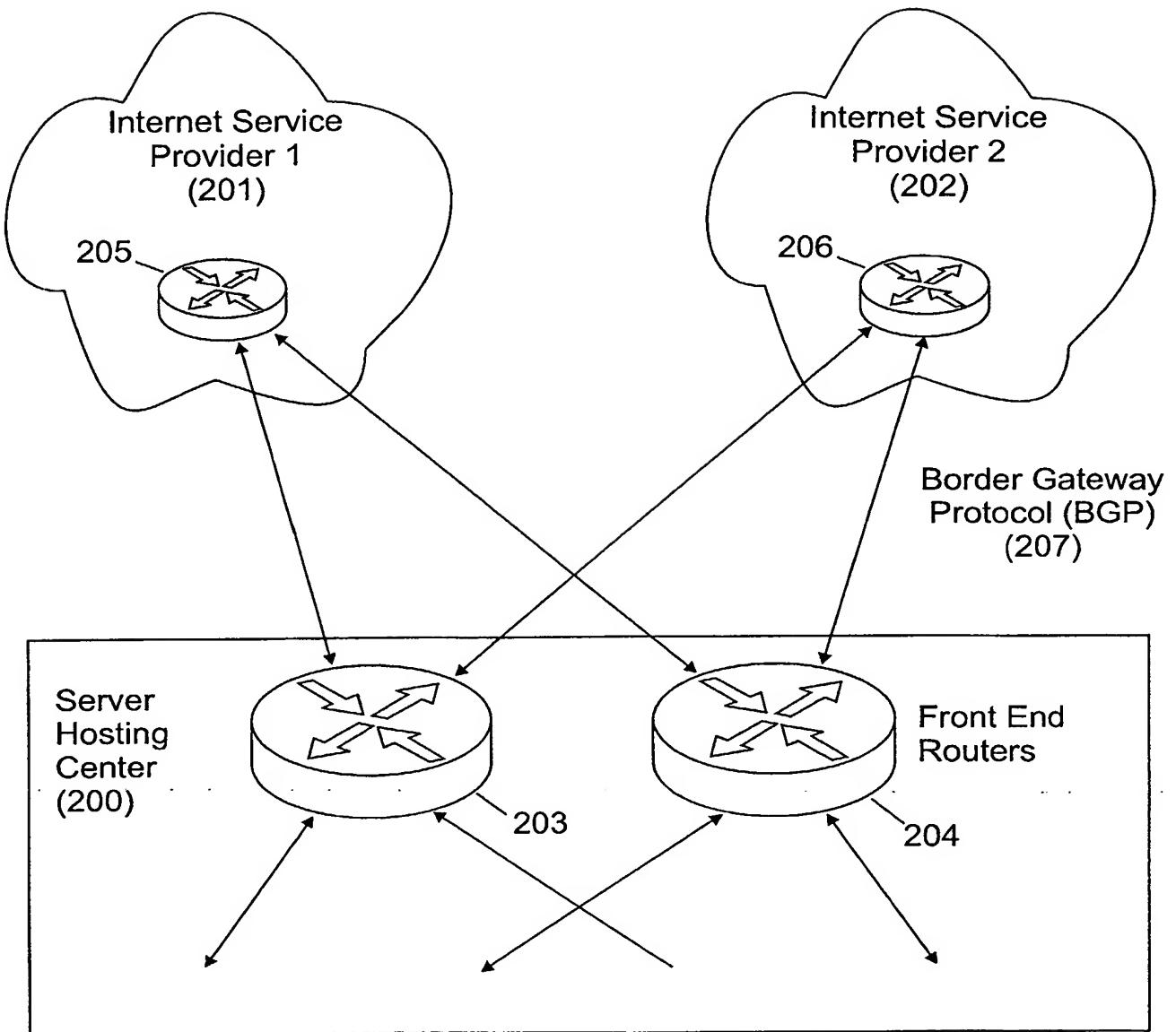


FIG. 2: Routing between a Server Hosting Center and Several Internet Service Providers

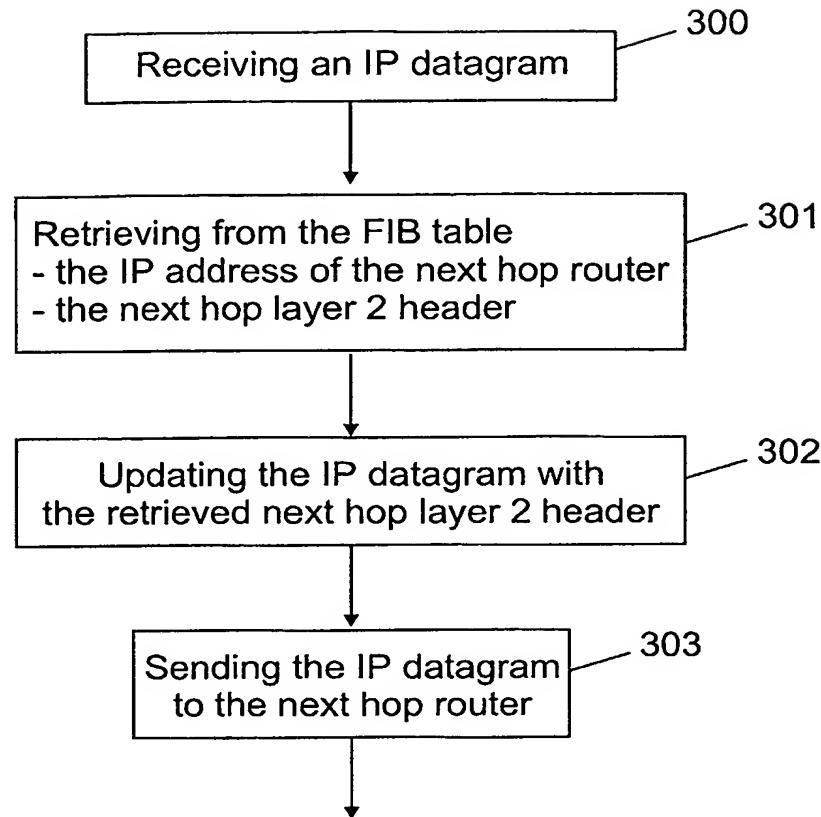


FIG. 3: Routing According to Prior Art

Routing Table
(400)

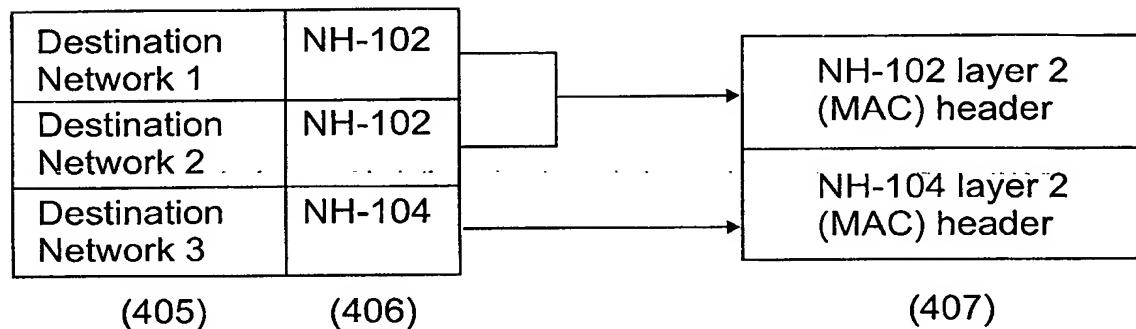
| | | |
|-----------------------|----------------------------|--|
| Destination Network 1 | NH-102 NH-103 NH-104 | Cost = 1 + 1 = 2 Cost = 2 + 1 = 3 Cost = 3 + 1 = 4 |
| Destination Network 2 | NH-102 NH-104 | Cost = 1 + 1 = 2 Cost = 3 + 1 = 4 |
| Destination Network 3 | NH-104 | Cost = 3 + 1 = 4 |

(401)

(402)

(403)

FIB
(404)



(405)

(406)

(407)

FIG. 4: Standard Routing Table and Forwarding Information Base According to Prior Art

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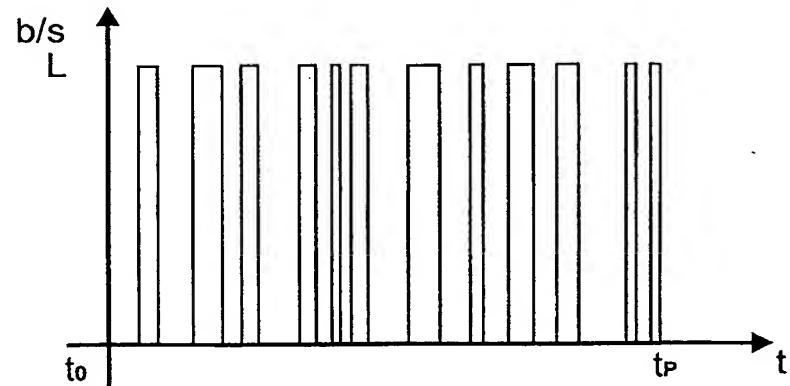
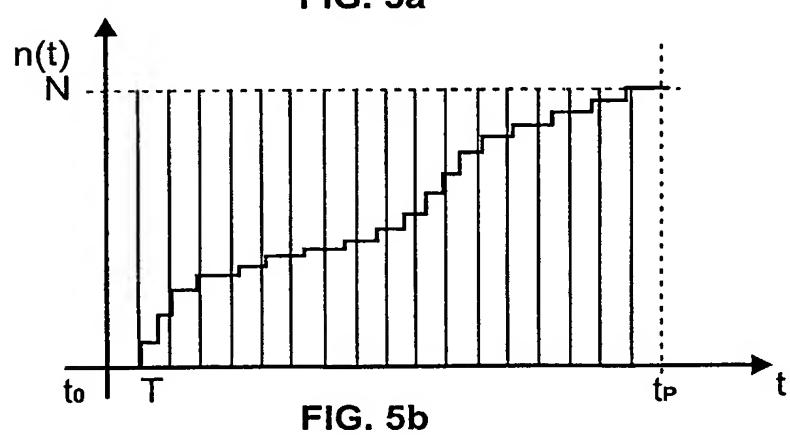
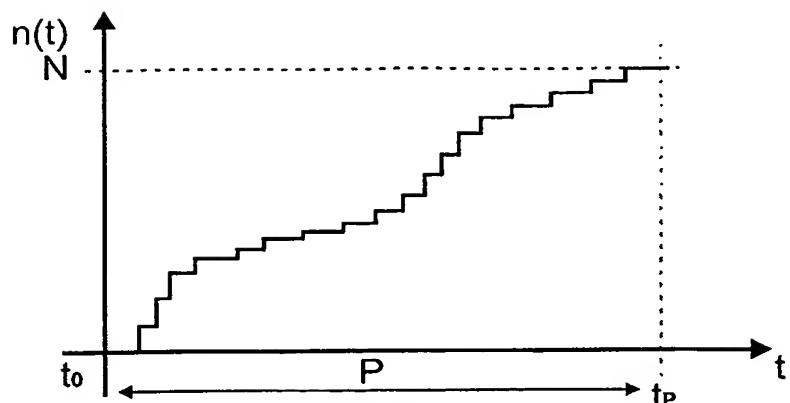


FIG. 5c

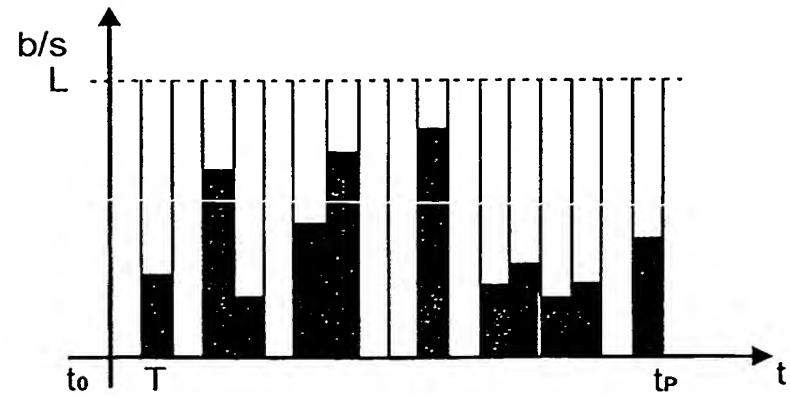


FIG. 5d

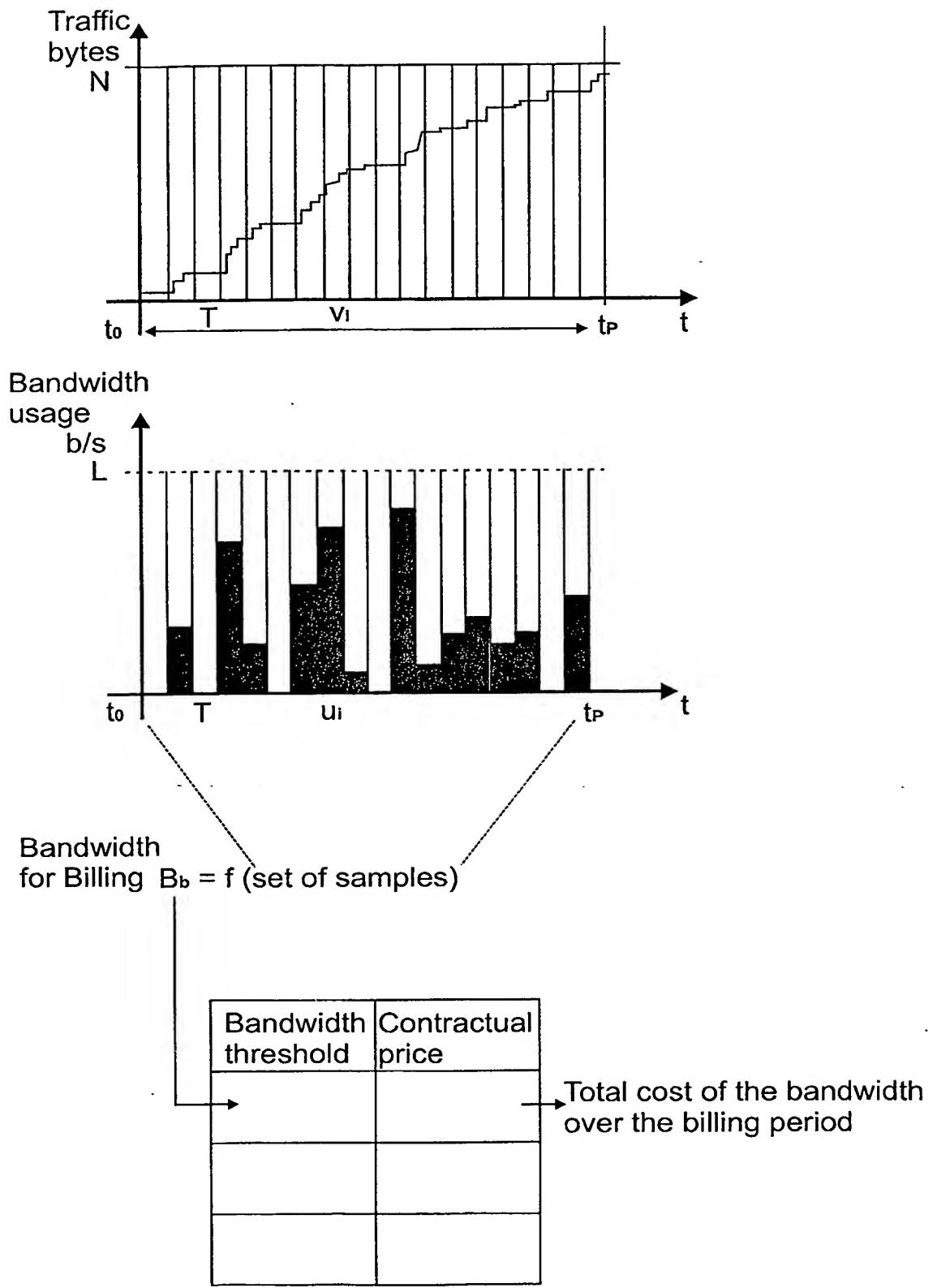


FIG. 6: Algorithm for Billing Bandwidth

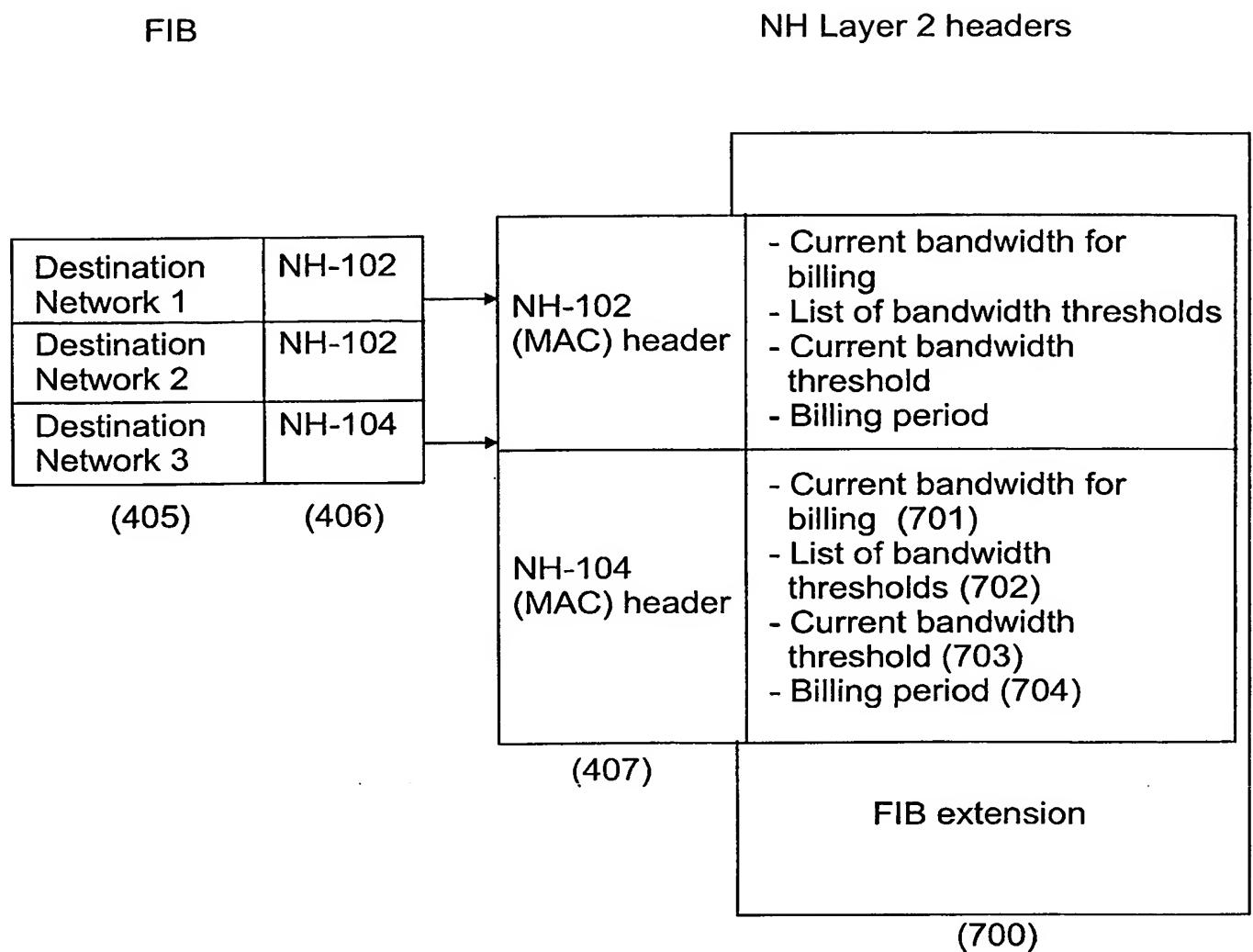


FIG. 7: Forwarding Information Base Extension According to the Present Invention

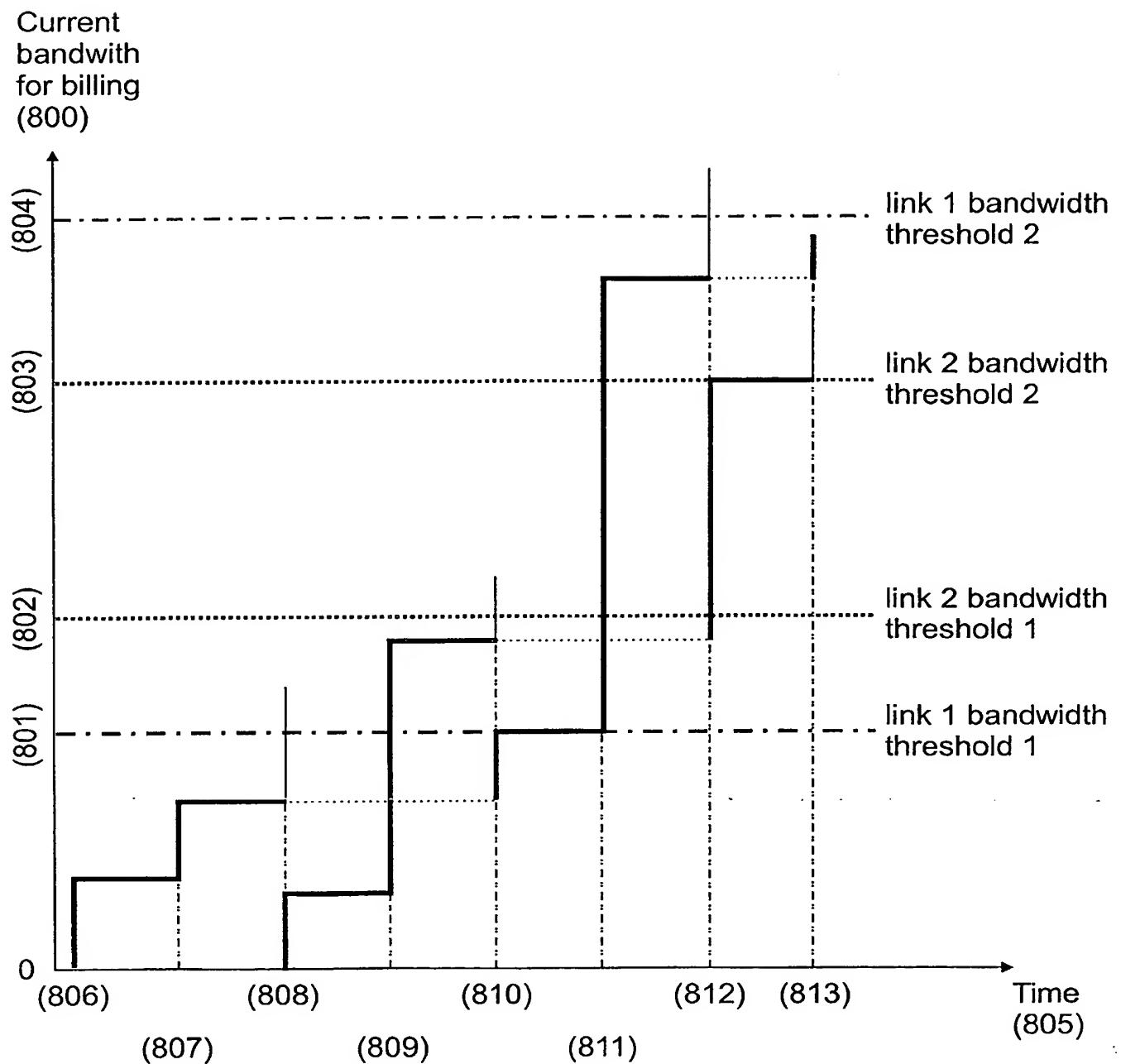


FIG. 8: Current Bandwidth for Billing per Link as a Function of the Time

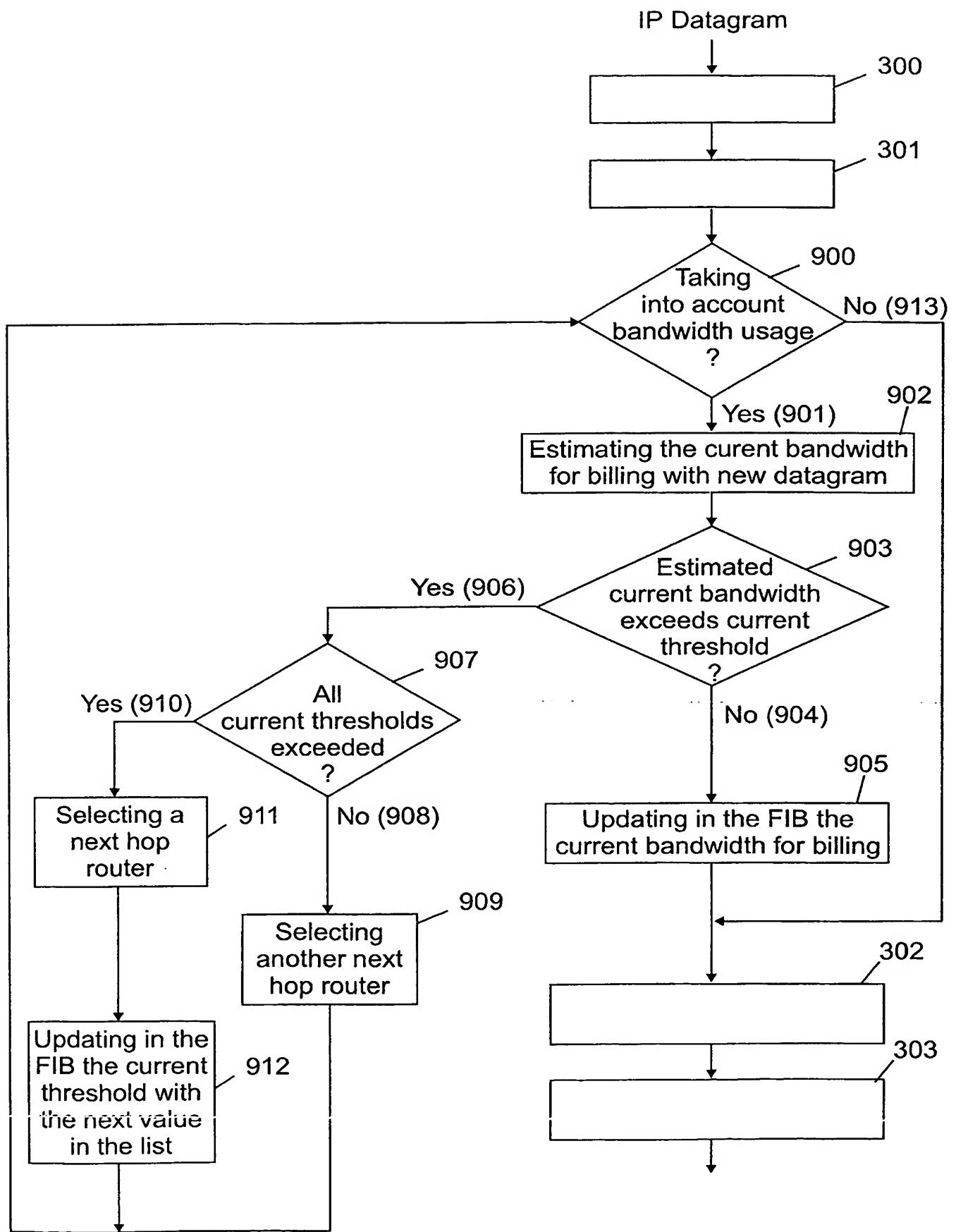


FIG. 9: Link Selection Algorithm

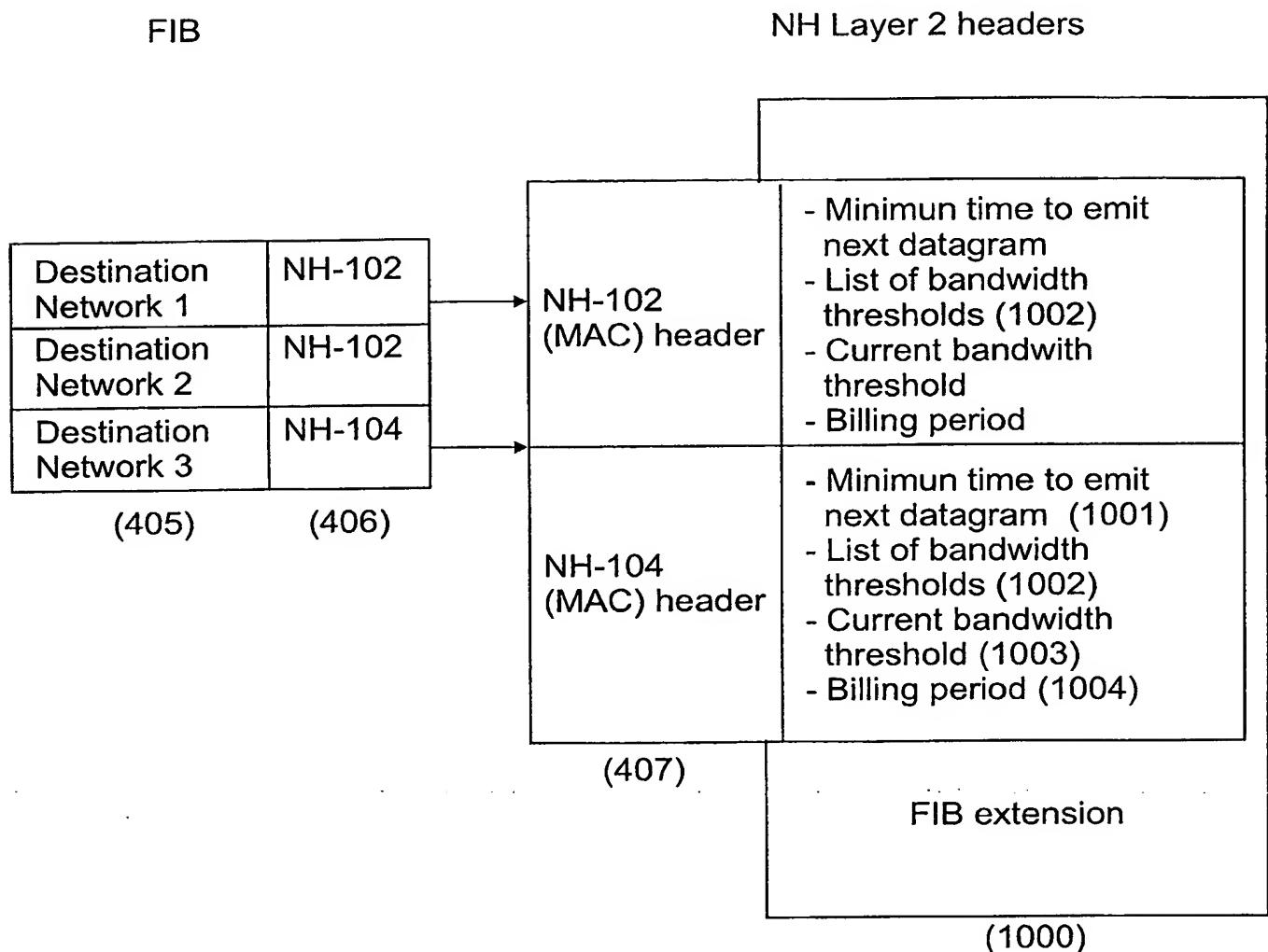


FIG. 10: Forwarding Information Base Extension According to Particular Embodiment

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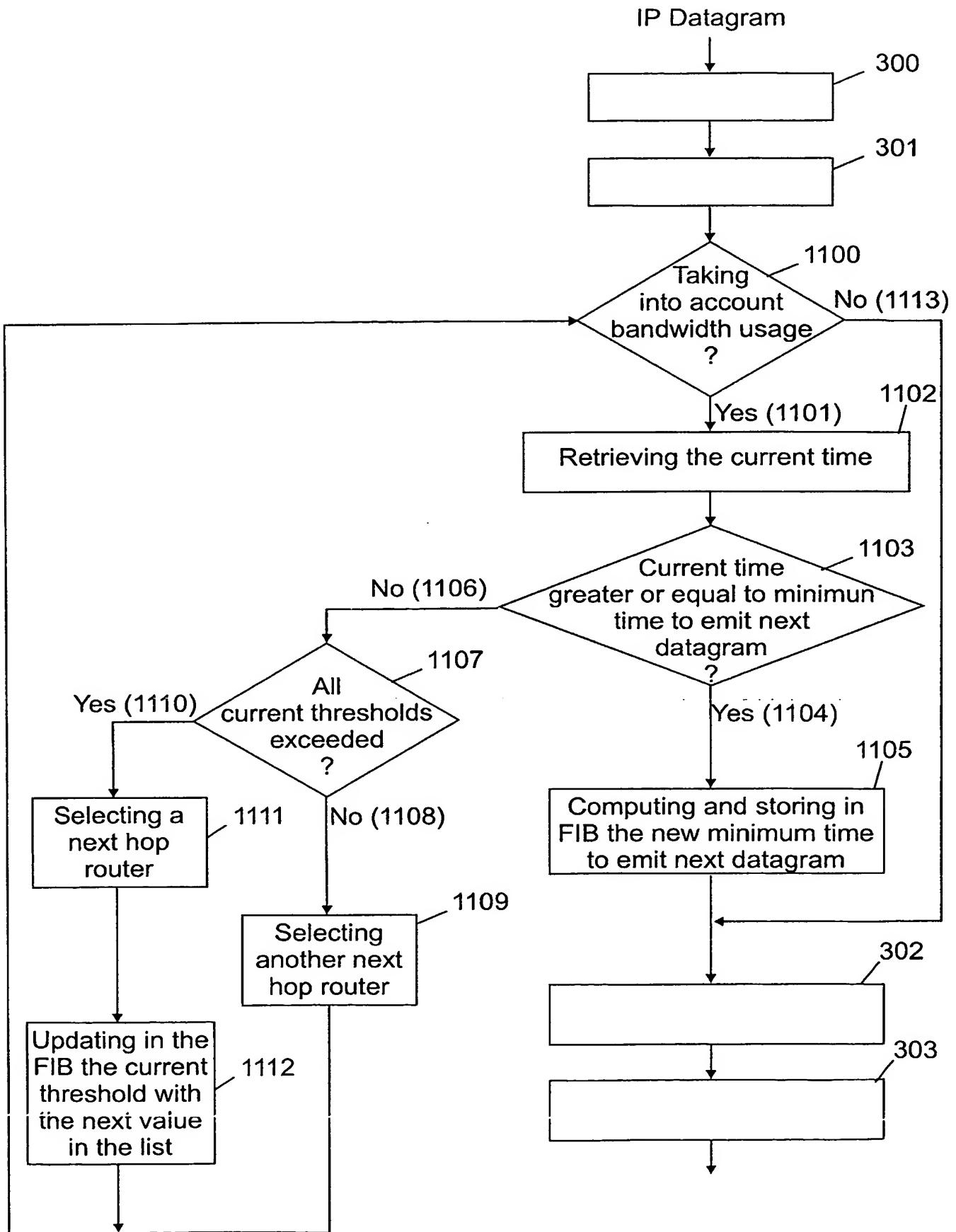


FIG. 11: Link Selection Algorithm According to a Particular Embodiment